

REMARKS/ARGUMENTS

In view of the foregoing amendments and the following remarks, reconsideration and allowance of this application is requested. Claims 32-33, 35-36, and 41-44 remain pending, with claim 32 being an independent claim. Claim 32 has been amended in response to the Examiner's rejection. Claim 35 has been amended for clarification. Claims 1-32, 34, and 37-40 have previously been canceled with no prejudice to the subject matter recited therein. No new matter has been added.

Amended independent claim 32 presents a semiconductor surface free of interfacial reactions between the surface and a second molecular species comprising a semiconductor surface with one atomic layer of valence-mending atoms and a second molecular species, wherein the valence-mending atoms comprise atoms that create a second surface on the one atomic layer and in contact with the second molecular species. The second surface is without dangling bonds and is free of interfacial reactions. The semiconductor surface is a silicon (100) surface.

Claims 32-33, 35-16, and 41-44 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Office action mailed August 1, 2008 ("Office action"), p. 2.

The Examiner states in paragraph 2 of the Office Action:

[t]he claim(s) contain subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Office Action, p. 2.

Applicants herein amend claim 32 to delete (100) surfaces of germanium, silicon-germanium, and silicon-carbide, without prejudice to that subject matter. Applicants respectfully submit that this amendment makes the Examiner's rejection of claim 32 moot and request that the rejection be withdrawn.

For at least the above reason set forth herein concerning the rejection of independent claim 32, Applicants submit that claim 32 is allowable. All other claims depend from independent claim 32 and, therefore, are allowable for the same reason.

In view of these remarks and proposed amendments, Applicants submit that this application is now in condition for allowance and the Examiner's prompt action in

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accordance therewith is respectfully requested. The Commissioner is authorized to charge any additional fees and/or credit any overpayment to Deposit Account 50-3361 of Indranil Chowdhury, P.C.

The Applicants request that the Examiner call Charles C. Claunch at (817) 788-5685 if the Examiner believes that the amendment of claim 32 does not overcome the rejections or if a discussion is otherwise needed to speed the application towards allowance.

Respectfully submitted,

/Charles C. Claunch/

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